



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

## **NOTICE OF ACCEPTANCE (NOA)**

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**PGT Industries  
1070 Technology Drive  
Nokomis, FL 34275**

### **SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### **DESCRIPTION: Series SH-800 Mid-Rise Aluminum Single Hung Window – Large Missile Impact**

**APPROVAL DOCUMENT:** Drawing No. **4065-1**, dated 04/24/02, with revision C dated 11/5/02, titled "Mid-Rise, Alum. Single Hung Window", Sheets 1 through 5, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

### **MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

**NOA No 02-0719.05  
Expiration Date: December 13 , 2007  
Approval Date: December 13 , 2002  
Page 1**

**PGT Industries**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **4065-1**, Sheets 1 through 5 of 5, titled "Mid-Rise, Alum. Single Hung Window", dated 04/24/02 with revision C dated 11/5/02, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94  
2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94  
3) Water Resistance Test, per SFBC, PA 202-94  
4) Large Missile Impact Test per SFBC, PA 201-94  
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94  
along with marked-up drawings and installation diagram of a series SH-800 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3258**, dated February 26, 2002, signed and sealed by Luis Antonio Figueredo, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by manufacturer, dated 05/20/02, revised on 11/15/02, signed and sealed by Robert L. Clark, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 01/17/02, expiring on 01/14/07.

**E. STATEMENTS**

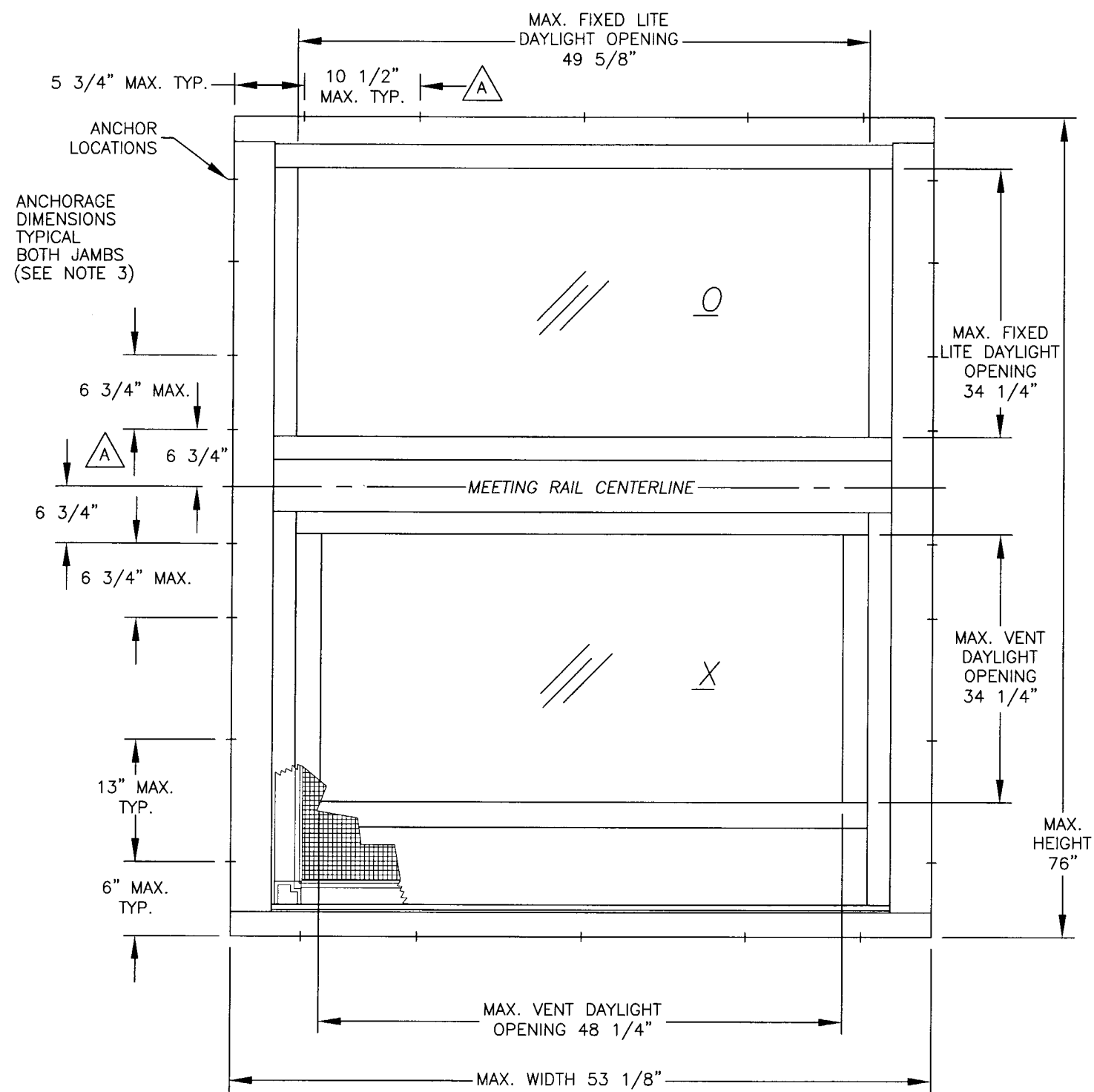
1. Statement letter of conformance, dated May 21, 2002, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated May 21, 2002, signed and sealed by Robert L. Clark, P.E.
3. Laboratory compliance letter for Test Report no. **FTL-3258**, issued by Fenestration Testing Laboratory, Inc., dated March 13, 2002, signed and sealed by Luis Figueredo, P.E.

**F. OTHER**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 02-0719.05

Expiration Date: December 13, 2007  
Approval Date: December 13, 2002



SEE SHEET 2 OF 5 FOR SECTION DETAILS

DESIGN PRESSURE - TABLE 1.

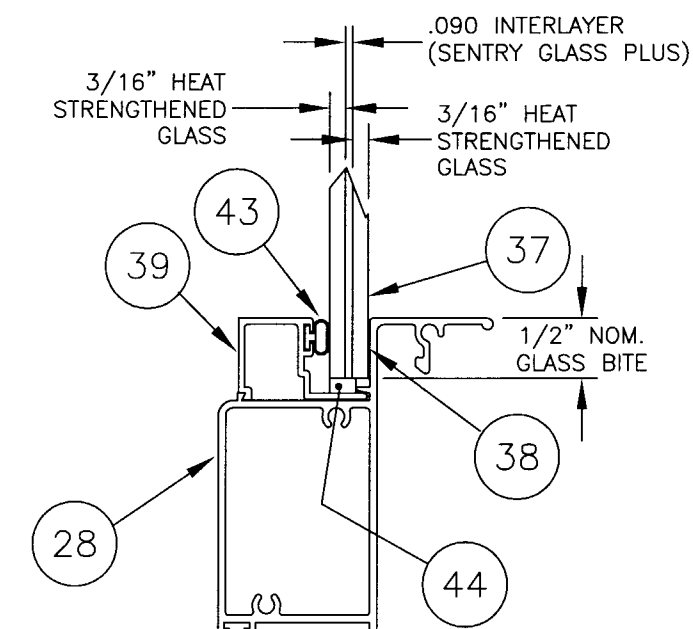
DESIGN PRESSURE RATING (P.S.F.)	NEG.	POS.
	-110.0	90.0

# NOTES: LARGE MISSILE IMPACT WINDOW

- GLAZING OPTIONS: A. 7/16" LAMINATED GLASS CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF SENTRY GLASS PLUS.
- DESIGN PRESSURE RATING: SEE TABLE 1.
  - NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98.
  - POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98.
- ANCHORAGE: SINGLE ROW OF FASTENERS AS FOLLOWS AND PER SHEET 5 OF 5.
 

**HEAD & SILL:**  
 MAX. 5 3/4" FROM CORNERS.  
 MAX. SPACING 10 1/2" O.C.

**JAMBS:**  
 MAX. 6" FROM CORNERS.  
 MAX. SPACING 13" O.C.  
 MAX. 6 3/4" & 13 1/2" ON EACH SIDE OF MEETING RAIL CENTERLINE.
- SHUTTER REQUIREMENT: NONE REQUIRED
- NARROW JOINT SEALANT IS USED ON ALL 4 CORNERS OF THE FRAME, MEETING RAIL AND RESPECTIVE ASSEMBLY SCREWS.
- REFERENCE TEST REPORT: FTL-3258
- SEE FRAME & VENT CORNER CONSTRUCTION SHT. 4 OF 5



GLAZING DETAIL - 7/16" LAMINATED

*Robert L. Clark*  
12/10/02

Robert L. Clark, P.E.  
PE #39712  
Structural

**P&G  
INDUSTRIES**

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

P.O. BOX 1529  
NOKOMIS, FL 34274

F.K.	11/5/02	C-CORRECT NOTE 3
Revsd By: F.K.	Date: 10/29/02	Revisions: NO CHG THIS SHT
Revsd By: F.K.	Date: 8/12/02	Revisions: A-ANCHOR SPACING CHG
Drawn By: F.K.	Date: 4/24/02	

Description:

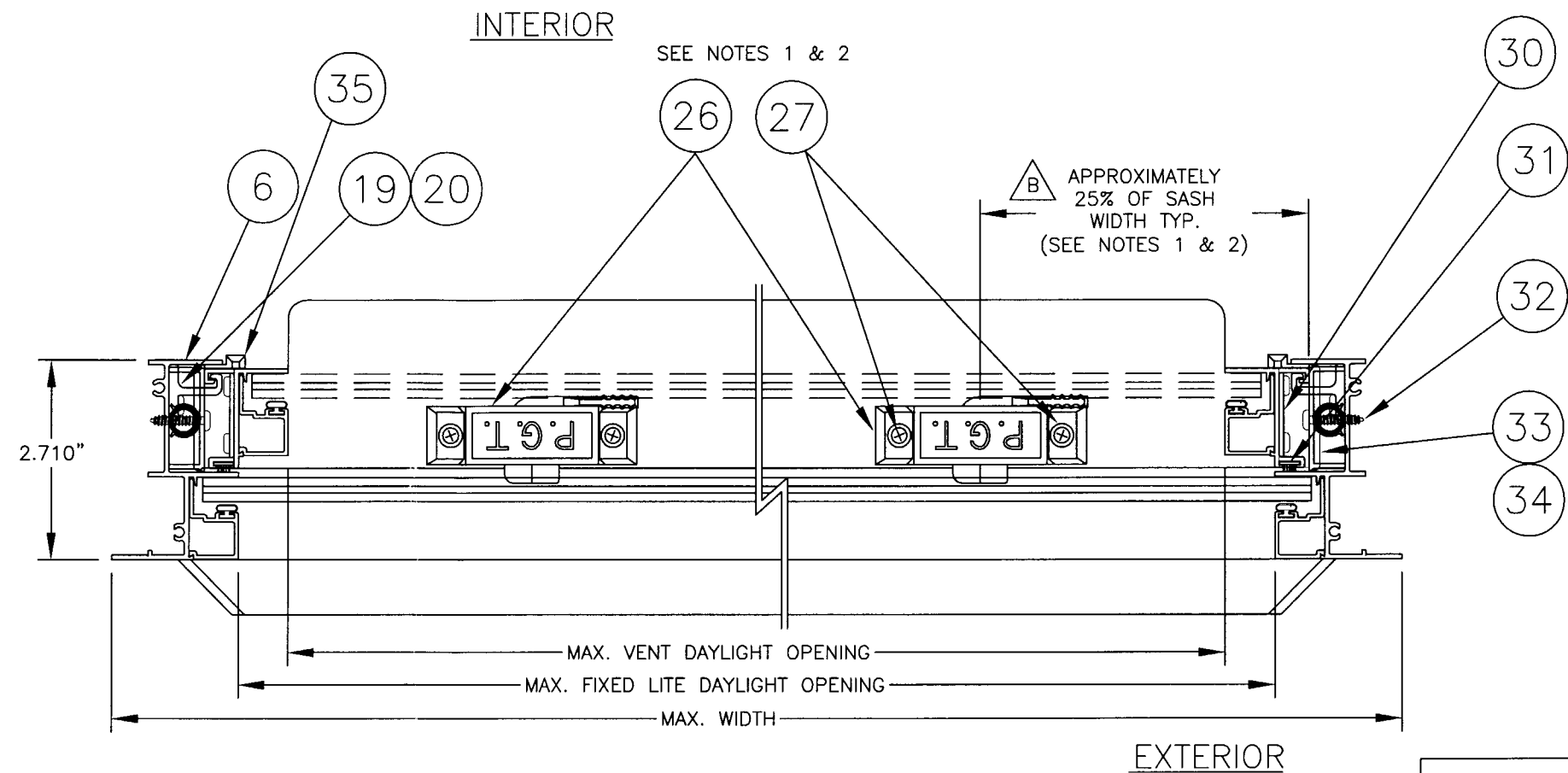
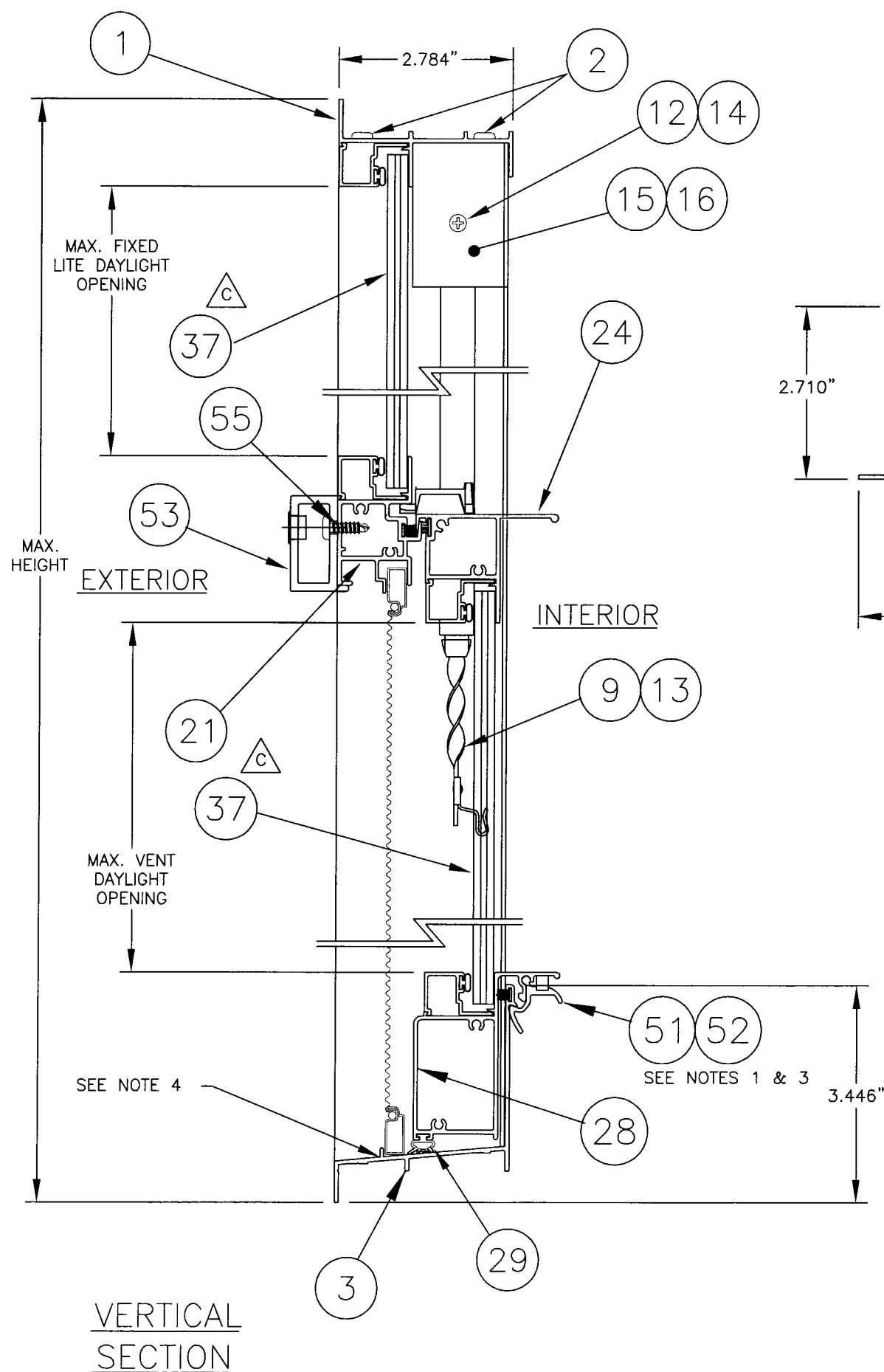
ELEVATION & GLAZING DETAIL (LG MISSILE)

Title:

MID-RISE, ALUM. SINGLE HUNG WINDOW

Series/Model: SH-800	Scale: NTS	Sheet: 1 of 5	Drawing No. 4065-1	Rev: C
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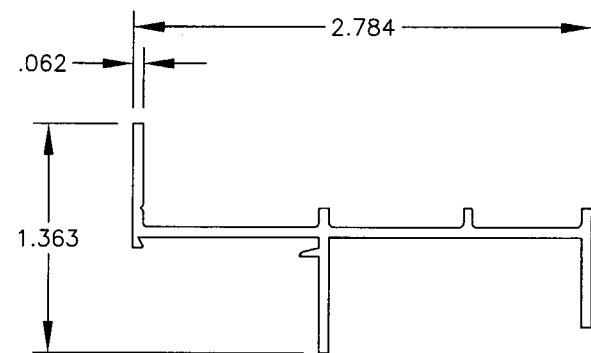
Approved as complying with the  
Florida Building Code  
Date DEC 13 2002  
NOA# 02-0719.05  
Miami Dade Product Control  
Division  
By *[Signature]*



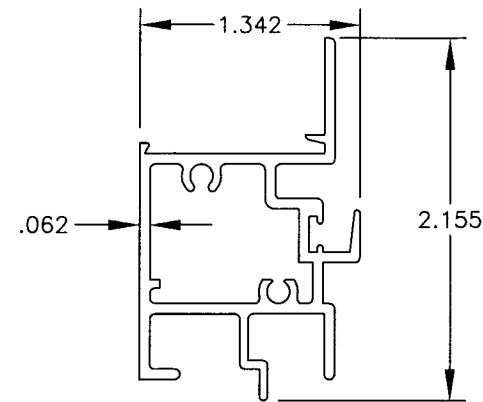
HORIZONTAL SECTION

1. ITEM 26, SWEEP LATCH OR ITEM 51, BOTTOM LOCK MAY BE USED.
2. WINDOWS 36" WIDE OR LESS REQUIRE (1) ITEM 26, SWEEP LATCH CENTERED.
3. ITEM 51, OPTIONAL BOTTOM LOCK, WHEN USED REQUIRES (2) 6" FROM EACH END.
4. TWO 5/8" WEEP NOTCHES REQUIRED (ONE AT EACH END OF SILL, SCREEN RETAINER LEG).

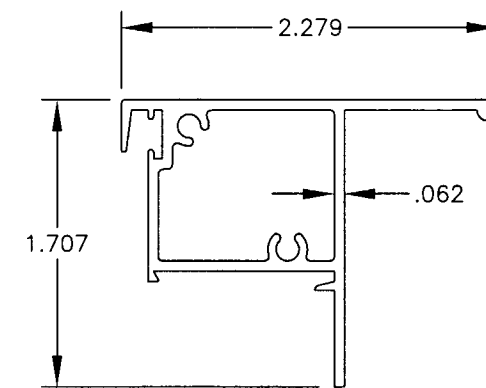
 Robert L. Clark, P.E. PE #39712 Structural	 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	F.K.	11/5/02	C-REMOVE ITEM 36	Approved as complying with the Florida Building Code Date <u>DEC. 13, 2007</u> NOA# <u>02-0719.05</u> Miami Dade Product Control Division By
		Revsd By: F.K.	Date: 10/29/02	Revisions: B-CHG NOTE 2	
		Revsd By: F.K.	Date: 8/12/02	Revisions: A-ADD RENEWAL BLOCK	
		Drawn By: F.K.	Date: 4/24/02		
Description: SECTIONS					
Title: MID-RISE, ALUM. SINGLE HUNG WINDOW					
Series/Model: SH-800	Scale: NTS	Sheet: 2 of 5	Drawing No. 4065-1	Rev: C	



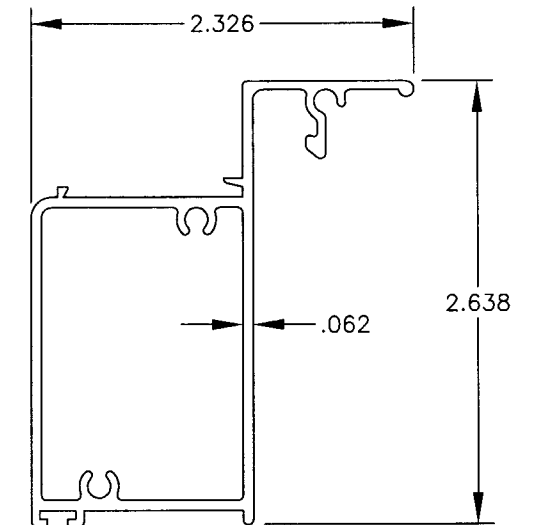
① FLANGE FRAME HEAD  
MAT'L: 6063-T5  
DWG# 4002



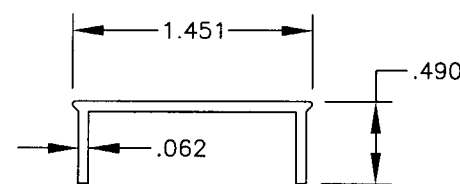
②① FXD. MEETING RAIL  
MAT'L: 6063HS-T54  
DWG# 4054A



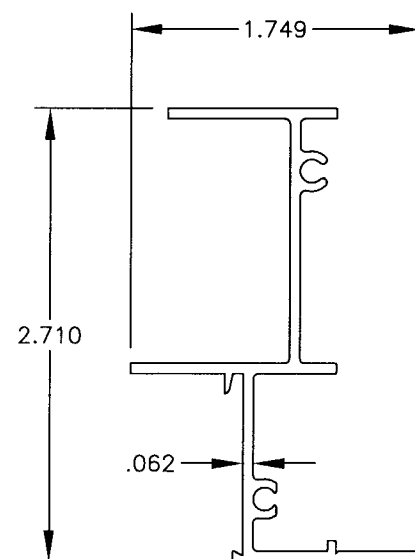
②④ SASH TOP RAIL  
MAT'L: 6063HS-T54  
DWG# 4006C



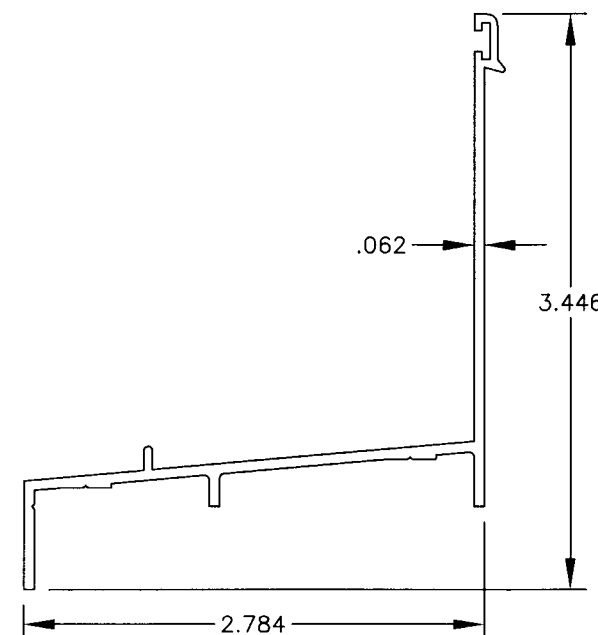
②⑧ SASH BOT. RAIL  
MAT'L: 6063-T5  
DWG# 4051A



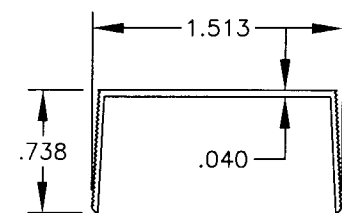
△ ①⑤ SASH STOP  
MAT'L: 6063-T5  
DWG# 4025



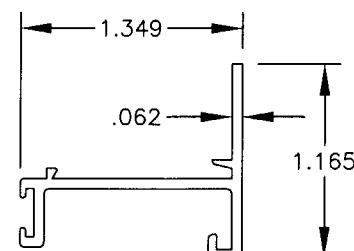
⑥ FLANGE FRAME JAMB  
MAT'L: 6063-T5  
DWG# 4004



③ FLANGE FRAME SILL  
MAT'L: 6063-T5  
DWG# 4050A



①⑥ SASH STOP COVER  
MAT'L: 6063-T5  
DWG# 4053



③⑦ SASH SIDE RAIL  
MAT'L: 6063-T5  
DWG# 4008

*Robert L. Clark*  
12/10/02  
Robert L. Clark, P.E.  
PE #39712  
Structural



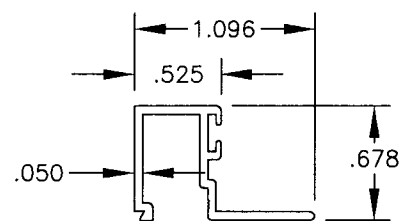
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

F.K.	11/5/02	C-CORRECT ITEM 15
Revsd By: F.K.	Date: 10/29/02	Revisions: B-NO CHG THIS SHT
Revsd By: F.K.	Date: 8/12/02	Revisions: A-ADD RENEWAL BLOCK
Drawn By: F.K.	Date: 4/24/02	

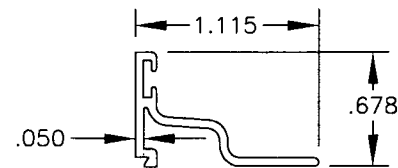
Approved as complying with the  
Florida Building Code  
Date DEC. 13, 2002  
NOA# 02-0719.05  
Miami Dade Product Control  
Division  
By *Mmanuel Perez*

Description: <b>EXTRUSION PROFILES</b>				
Title: <b>MID-RISE, ALUM. SINGLE HUNG WINDOW</b>				
Series/Model: SH-800	Scale: NTS	Sheet: 3 of 5	Drawing No. 4065-1	Rev: C

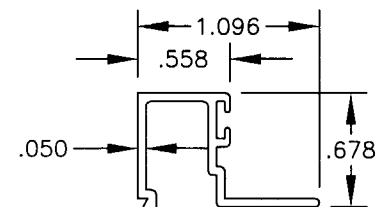
ITEM	DWG#	MAT'L	PGT#	DESCRIPTION
1	4002	6063-T5	612225	Flange Frame Head
2	1155-1	S. STL	781PQX	#8 x 1" S.S. Quad Pn. SMS
3	4050A	6063-T5	64050	Flange Frame Sill
4	1062	FIN SEAL	61062G	Wstp., .187 x .270 fin seal
5	1155-1	S. STL	781PQX	#8 x 1" S.S. Quad Pn. SMS
6	4004	6063-T5	612227	Flange Frame Jamb
9	4029			Caldwell Spiral Balance, 5/8"
10	4029	STL	7BALTBKT	Balance Bottom Bracket Clip
11	1080	VINYL	6BALCVR916	Bal. Cover, Rigid Vinyl, 5/8"
12	1167	S. STL	78X34PPAX	#8 x .750 Ph. Pn. SMS S.S.
13	4029-1			Caldwell Ultra-Lift Balance, .670"
14		S. STL		#8 x 1.25 PH. Pn. SMS
15	4025	6063-T5	612244	Sash Stop
16	4053	6063-T5		Sash Stop Cover
17	4029-1	STL		Sash Bracket
18		ZINC PL.		#8 x 1 PH. PN. SMS
19	1207	PVC	6WCLIP	Windload Adapter
20		S. STL	78X38PPTX	#8 x .375 Ph. Pn. TEK S.S.
21	4054A	6063HS-T54	64054	Fixed Meeting Rail
22	1060	FIN SEAL	61060W	Wstp.,.187 x .230, fin seal
23	1155-1	S. STL	781PQX	#8 x 1" S.S. Quad Pn. SMS
24	4006C	6063HS-T54	64006	Sash Top Rail
25	1235	FIN SEAL	67S16G	Wstp.,.170 x .270 back, fin seal
26	1096	DIE-CAST	71096	Sweep Latch
27	1175	ZINC PL.	7858BB	#8 x 5/8" PH FH SMS
28	4051A	6063-T5	64051	Sash Bottom Rail
29	1226	VINYL	6TP249	Wstp., Bulb Vinyl
30	4008	6063-T5	612231	Sash Side Rail
31	1235	FIN SEAL	67S16G	Wstp.,.170 x .270 back, fin seal
32	1155-1	S. STL	781PQX	#8 x 1" S.S. Quad Pn. SMS
33	1085	CELCON	70344	Sash Top Guide, 9/16"
34	1086	CELCON	42505	Sash Top Guide, 11/16"
35	1268	NYLON 6/6	42501	Sash Face Guide
37	Glass 7/16 Laminated (3/16HS,.090,3/16HS) .090 SGP			
38	Glazing Silicone - Dow #899, #983 or #995			
39	4222	6063-T5	64222	Glazing Bead 7/16 Lami
40	985	6063-T5	6985	Glazing Bead 7/16 Lami w/Grill Kit
41	988	6063-T5	6988	Glazing Bead 3/8 Lami
42	987	6063-T5	6987	Glazing Bead 3/8 Lami W/Grill Kit
43	1224	VINYL	TP-247	Vinyl Bulb Weatherstrip "Thick"
44	1622	EPDM	71622K	Glass Setting Block 3/32 x 25/64 x 1
45	1014	3105 H14	61011	Screen Frame
46	1013	POLYPROPYLENE	41903	Screen Corner Key
47	1073	S. STL	78835M	Screen Spring
48			61816	Screen Cloth
49	1278	ELASTOMETRIC PVC	70409K	Screen Pull
50	1008	ELASTOMETRIC PVC	68535K	Screen Spline
51	2740	6063-T6	62740	Bottom Lock "optional"
52	1088	6063-T5	7SPRNG	Bottom Lock Spring
53	4063A	6061-T6	64063	Meeting Rail Reinforcement
54	947		41722	Grommet
55			78X38PPT	#10 x 3/4"PH PH TEK Screw
56			61062G	Wstp., .187 x .270 fin seal



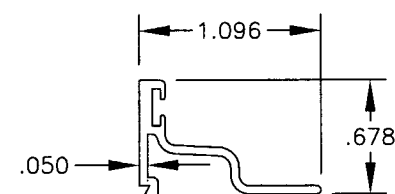
39 7/16 LAMI BEAD  
MAT'L: 6063-T5  
DWG# 4222



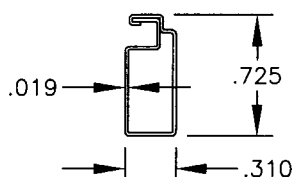
40 7/16 LAMI BEAD  
W/GRILL KIT  
MAT'L: 6063-T5  
DWG# 985



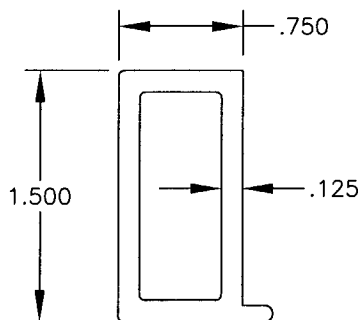
41 3/8 LAMI BEAD  
MAT'L: 6063-T5  
DWG# 988



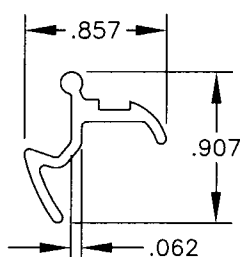
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W/GRILL KIT  
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DWG# 987



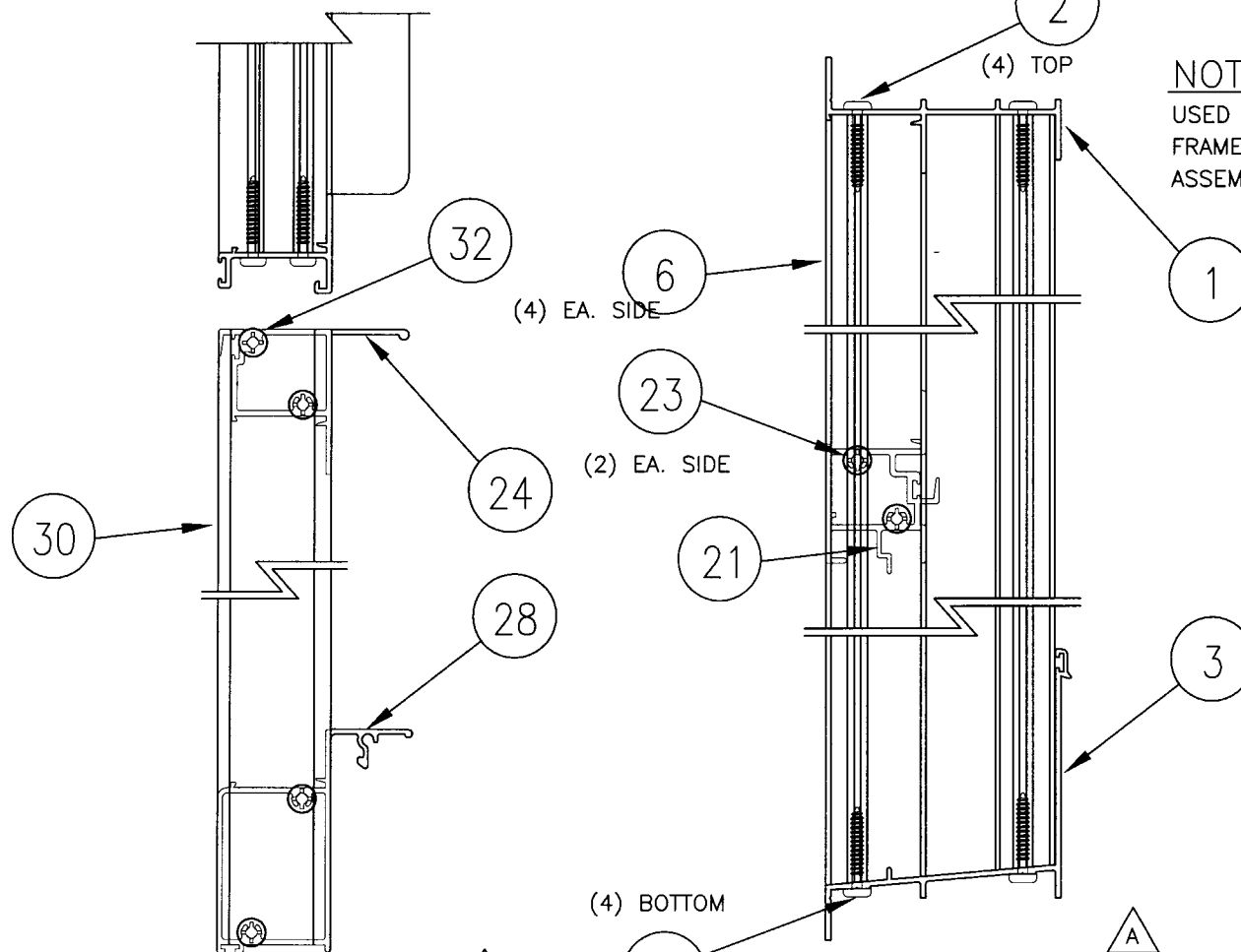
45 SCREEN FRAME  
MAT'L: 3105-H14  
DWG# 1014



53 MEETING RAIL  
REINFORCEMENT  
MAT'L: 6061-T6  
DWG# 4063A



51 BOTTOM LOCK  
MAT'L: 6063-T5  
DWG# 2740



NOTE: NARROW JOINT SEALANT IS USED ON ALL 4 CORNERS OF THE FRAME, MEETING RAIL & RESPECTIVE ASSEMBLY SCREWS.

## SASH CONSTRUCTION

## FRAME CONSTRUCTION

Robert L. Clark, P.E.  
12/10/02

**PCT**  
INDUSTRIES

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

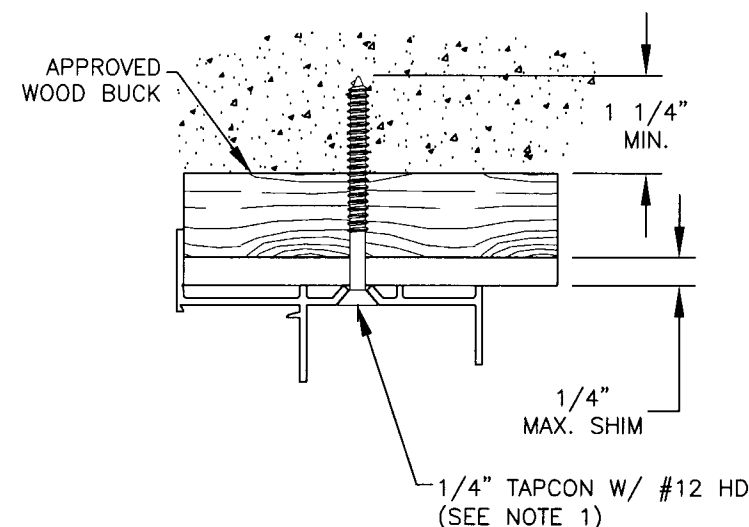
P.O. BOX 1529  
NOKOMIS, FL 34274

F.K.	11/5/02	C-DELETE ITEM 36
Revsd By:	Date:	Revisions:
F.K.	10/29/02	B-NO CHG THIS SHT
Revsd By:	Date:	Revisions:
F.K.	8/12/02	A-ADD CONSTRUCT. DET.
Drawn By:	Date:	
F.K.	4/24/02	

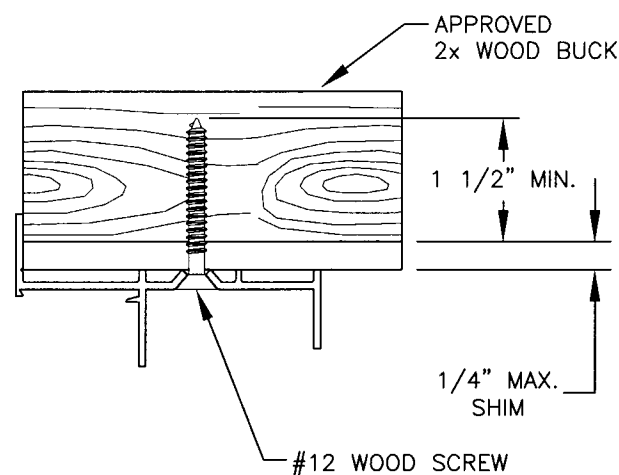
Description:  
**PARTS LIST, EXTRUSION, CONSTRUCTION**  
Title:  
**MID-RISE, ALUM. SINGLE HUNG WINDOW**

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH-800	NTS	4 of 5	4065-1	C

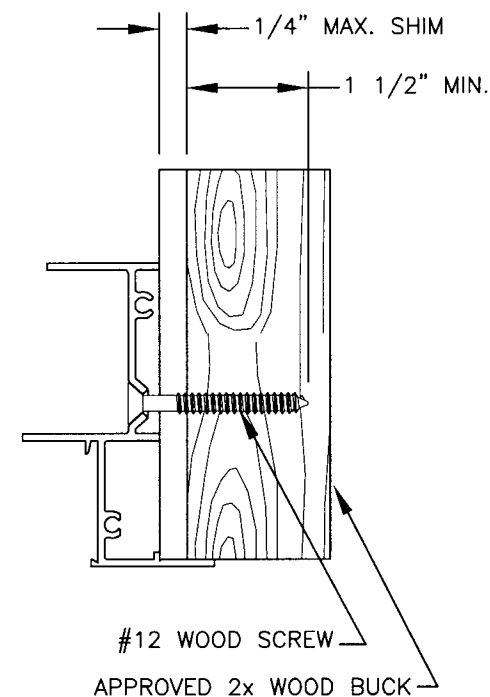
Approved as complying with the  
Florida Building Code  
Date **DEC 13 2002**  
NOA# **02-0719-05**  
Miami Dade Product Control  
Division  
By *[Signature]*



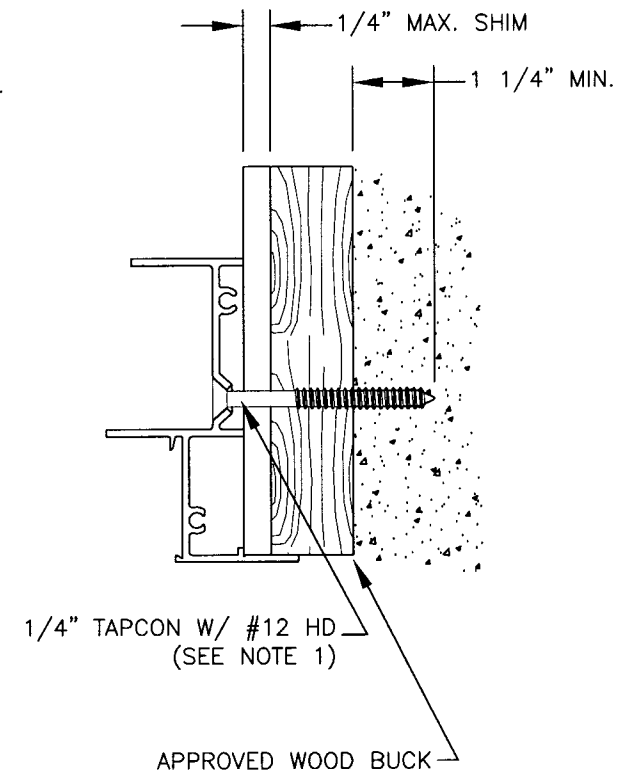
TYPICAL HEAD SECTION  
SUBSTRATE ANCHORING



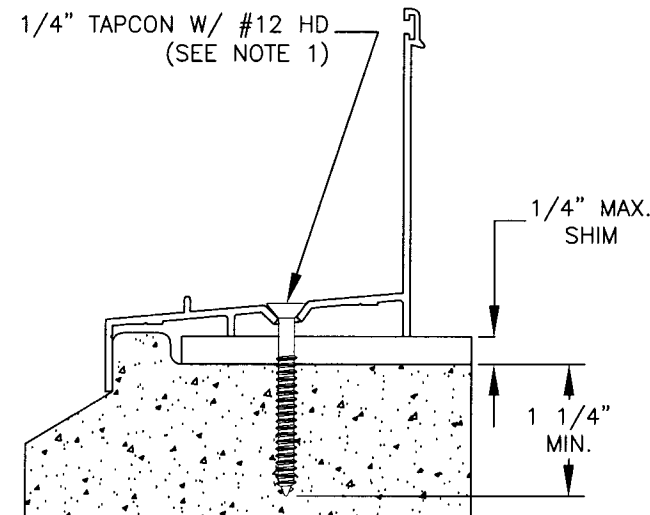
TYPICAL HEAD SECTION  
WOOD ANCHORING



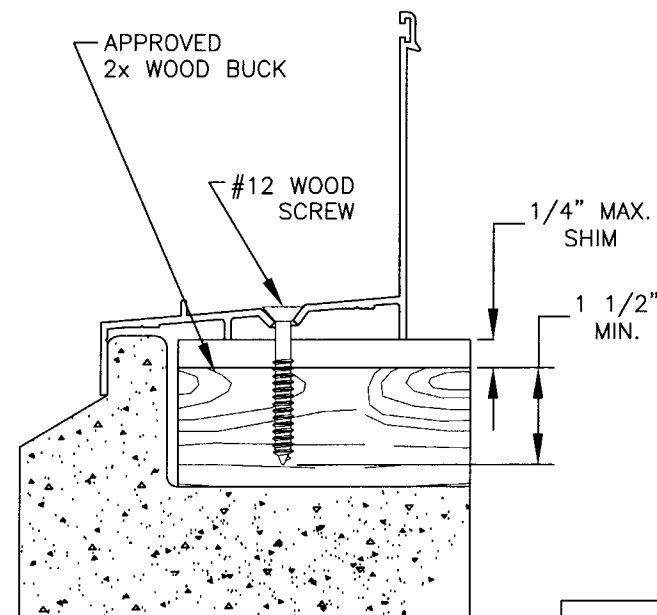
TYPICAL JAMB SECTION  
WOOD ANCHORING



TYPICAL JAMB SECTION  
SUBSTRATE ANCHORING



TYPICAL SILL SECTION  
SUBSTRATE ANCHORING



TYPICAL SILL SECTION  
WOOD ANCHORING

**NOTES:**

1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO OR ITW TAPCONS.

*Robert L. Clark*  
12/10/02

Robert L. Clark, P.E.  
PE #39712  
Structural

**PGT  
INDUSTRIES**

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

P.O. BOX 1529  
NOKOMIS, FL 34274

F.K.	11/5/02	C-NO CHG THIS SHT.
Revsd By:	Date:	Revisions:
F.K.	10/29/02	B-NO CHG THIS SHT
Revsd By:	Date:	Revisions:
F.K.	8/12/02	A-AD RENEWAL BLOCK
Drawn By:	Date:	
F.K.	4/24/02	

Description:

ANCHORAGE

Title:

MID-RISE, ALUM. SINGLE HUNG WINDOW

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH-800	NTS	5 of 5	4065-1	C

Approved as complying with the  
Florida Building Code  
Date *DEC 13, 2002*  
NOA# *02-0119-85*  
Miami Dade Product Control  
Division  
By *Manuel Perez*